



Statistical release

P0302

Mid-year population estimates

2014

Embargoed until:

31 July 2014

11:30

Enquiries:

User Information Services
Tel: (012) 310 8600/4892/8390

Forthcoming issue:

Mid-year population estimates, 2015

Expected release date

July 2015

Contents

Summary.....	2
1. Introduction	4
2. Demographic and other assumptions.....	4
3. Indicators from Spectrum.....	5
4. National population estimates.....	7
5. Provincial population estimates	10
5.1 Demographic assumptions	10
5.2 Provincial distributions	12
5.3 Migration patterns	12
5.4 Provincial estimates by age and sex	12
References.....	17

Tables

Table 1: Mid-year population estimates for South Africa by population group and sex, 2014	3
Table 2: Mid-year population estimates by province, 2014	3
Table 3: Assumptions of expectation of life at birth without HIV and fertility	4
Table 4: Migration assumptions for the period 1985-2015	5
Table 5: Demographic indicators, 2002-2014.....	6
Table 6: Births and deaths for the period 2002-2014	6
Table 7: HIV prevalence estimates and the number of people living with HIV, 2002-2014	7
Table 8: Mid-year estimates by population group and sex, 2014.....	7
Table 9: Estimates annual population growth rates, 2002-2014	8
Table 10: Mid-year population estimates by population group, age and sex, 2014	9
Table 11: Percentage distribution of the projected provincial share of the total population, 2002-2014.....	12
Table 12: Estimated provincial migration streams, 2001-2006	13
Table 13: Estimated provincial migration streams, 2006-2011	13
Table 14: Estimates provincial migration streams, 2011-2016.....	14
Table 15: Provincial population estimates by age and sex, 2014	15

Figures

Figure 1: Provincial average total fertility rates for the periods 2001-2006, 2006-2011 and 2011-2016	10
Figure 2: Provincial average life expectancy at birth, 2001-2006, 2006-2011 and 2011-2016 (males).....	11
Figure 3: Provincial average life expectancy at birth, 2001-2006, 2006-2011 and 2011-2016 (females).....	11

Summary

- This release uses the cohort-component methodology to estimate the 2014 mid-year population of South Africa.
- The estimates cover all the residents of South Africa at the 2014 mid-year, and are based on the latest available information. Estimates may change as new data become available.
- For 2014, Statistics South Africa (Stats SA) estimates the mid-year population as **54** million.
- Approximately fifty-one per cent (approximately 27,64 million) of the population is female.
- Gauteng comprises the largest share of the South African population. Approximately 12,91 million people (23,9%) live in this province. KwaZulu-Natal is the province with the second largest population, with 10,69 million people (19,8%) living in this province. With a population of approximately 1,17 million people (2,2%), Northern Cape remains the province with the smallest share of the South African population.
- About 30,0% of the population is aged younger than 15 years and approximately 8,4% (4,54 million) is 60 years or older. Of those younger than 15 years, approximately 22,7% (3,66 million) live in KwaZulu-Natal and 18,8% (3,05 million) live in Gauteng. The proportion of elderly aged 60 and older is increasing over time.
- Migration is an important demographic process in shaping the age structure and distribution of the provincial population. For the period 2011–2016 it is estimated that approximately 241 758 people will migrate from the Eastern Cape; Limpopo is estimated to experience an out-migration of nearly 303 101 people. During the same period, Gauteng and Western Cape are estimated to experience an inflow of migrants of approximately 1 106 375 and 344 830 respectively (see migration stream tables for net migration).
- Life expectancy at birth for 2014 is estimated at 59,1 years for males and 63,1 years for females.
- The infant mortality rate for 2014 is estimated at 34,4 per 1 000 live births.
- The estimated overall HIV prevalence rate is approximately 10,2% of the total South African population. The total number of people living with HIV is estimated at approximately 5,51 million in 2014. For adults aged 15–49 years, an estimated 16,8% of the population is HIV positive.

Table 1: Mid-year population estimates for South Africa by population group and sex, 2014

Population group	Male		Female		Total	
	Number	% of male population	Number	% of female population	Number	% of total population
African	21 168 700	80,3	22 165 000	80,2	43 333 700	80,2
Coloured	2 305 800	8,7	2 465 700	8,9	4 771 500	8,8
Indian/Asian	677 000	2,6	664 900	2,4	1 341 900	2,5
White	2 214 400	8,4	2 340 400	8,5	4 554 800	8,4
Total	26 366 000	100,0	27 635 900	100,0	54 002 000	100,0

Table 2: Mid-year population estimates by province, 2014

	Population estimate	% of total population
Eastern Cape	6 786 900	12,6
Free State	2 786 800	5,2
Gauteng	12 914 800	23,9
KwaZulu-Natal	10 694 400	19,8
Limpopo	5 630 500	10,4
Mpumalanga	4 229 300	7,8
Northern Cape	1 166 700	2,2
North West	3 676 300	6,8
Western Cape	6 116 300	11,3
Total	54 002 000	100



PJ Lehohla
Statistician-General

1. Introduction

In a projection the size and composition of the future population of an entity such as South Africa is estimated. The midyear population estimates produced by Statistics South Africa (Stats SA) use a cohort component method. In the cohort component method, a base population is estimated that is consistent with known demographic characteristics of the country. The cohort base population is projected into the future according to the projected components of change. Agreed levels of fertility, mortality and migration are used as input to the cohort component method. For the 2014 mid-year estimates, the cohort component method is used within the Spectrum Policy Modelling system. The integration is based on the DemProj model, which is used to create that population projection that further supports the AIM component (Stover, 2003:2). DemProj is used to make the demographic projection, while AIM is used to incorporate the impacts of HIV and AIDS on fertility and mortality.

Stats SA subscribes to the specifications of the Special Data Dissemination Standards (SDDS) of the International Monetary Fund (IMF) and publishes the mid-year population estimates for the country annually. This release uses the latest available SPECTRUM software version from UNAIDS. Stats SA used JMP script language (JSL) developed by the SAS institute Inc. to do estimates lower than country level.

2. Demographic and other assumptions

A cohort component projection requires a base population distributed by age and sex. Levels of mortality, fertility and migration are estimated for the base year and projected for future years. The cohort base population is projected into the future according to the projected components of population change. The DemProj module of SPECTRUM is used to produce a single year projection, thus the TFR and the Life Expectancy at birth must be provided in the same way. The time series of TFR estimates developed as an output of the Demproj module, for all population groups in South Africa, are interrogated following a detailed review of demographic projections and necessary adjustments are made to ensure that the determined time series of TFR estimates (1985-2014) are consistent with published and unpublished TFR estimates from various sources of authors, methods, and data sources including Census 2011 fertility estimates. Between 2002 and 2014, fertility has declined from an average of 2,79 children per woman to 2,57 children. Other inputs required in DemProj include the ASFR trend, sex ratios at birth and net international migration. In estimating South Africa's Population, international migration is provided as an input into the model (see Table 4).

The demographic projection is modified through AIDS deaths and the impact on HIV infection on fertility. In this process a new set of life expectancies are developed (see Table 5), which were then used to select life tables. StatsSA used the East Asian set of life tables from Spectrum for this selection. Survival rates from the selected life tables were the used to project the population forward.

Table 3: Assumptions of expectation of life at birth without HIV and fertility

Year	TFR	Life expectancy at birth without HIV		
		Male	Female	Total
2002	2,79	61,1	67,1	64,2
2003	2,77	61,5	67,5	64,6
2004	2,75	61,9	67,9	65,0
2005	2,73	62,4	68,4	65,5
2006	2,71	62,8	68,8	65,9
2007	2,69	63,2	69,2	66,3
2008	2,67	62,9	69,5	66,3
2009	2,65	63,2	69,8	66,6
2010	2,63	63,5	70,1	66,9
2011	2,61	63,8	70,3	67,1
2012	2,60	64,1	70,6	67,4
2013	2,58	64,4	70,8	67,7
2014	2,57	64,7	71,0	67,9

Table 4: International migration assumptions for the period 1985-2015

	African	Asian	White
1985–2000	1 135 275	14 476	-304 112
2001–2005	769 038	23 335	-133 782
2006–2010	922 885	34 688	-112 046
2011–2015	1 067 936	40 929	-95 158

Version 5.03 of Spectrum includes among others, the DemProj Module, the AIDS impact model (AIM) has an inbuilt Estimation and Projection package for estimating HIV prevalence and incidence. In the AIDS Impact Model (AIM), several programmatic and epidemiological data inputs are required. These are related to programme coverage of adults and children on ART and PMTCT. In addition to eligibility for treatment as per national guidelines, the epidemiological inputs include Antenatal Clinic data (NDoH, 2012). Our assumptions of the HIV epidemic in South Africa is based primarily on the prevalence data collected annually from pregnant women attending public antenatal clinics (ANC) since 1990. However antenatal surveillance data produce biased prevalence estimates for the general population because only a select group of people (i.e. pregnant women attending public health services) are included in the sample. To correct this bias we adjusted the ANC prevalence estimates by adjusting for relative attendance rates at antenatal clinics and for the difference in prevalence between pregnant women and the general adult population. Other inputs in the AIM model include the following:

Median time from HIV infection to death

This release assumed the median time from HIV infection to death in line with the UNAIDS Reference Group recommendation of 10,5 years for men and 11,5 years for women.

Ratio of new infections

Adult HIV incidence is disaggregated into female and male incidence by specifying the ratio of new female infections to new male infections. This report assumes a ratio of female to male prevalence for those aged 15–49 of 1,5 by 2014.

Indicators of HIV prevalence, incidence and HIV population numbers over time, merely show the impact of HIV on the population. HIV indicators shown in table 6 are based on the aforementioned assumptions and may differ to HIV indicators published elsewhere.

3. Demographic and other indicators

Table 5 shows the life expectancies that incorporates the impact of AIDS (AIM model). Life expectancy at birth had declined between 2002 and 2005 but has since increased partly due to the roll-out of antiretroviral treatment. For 2014 life expectancy at birth is estimated at 59,1 years for males and 63,1 years for females. This increase in life expectancy at birth is expected to continue.

Infant mortality has declined from an estimated 58 per 1 000 live births in 2002 to 34 per 1 000 live births in 2014. The IMR and U5MR shown in table 5 are based on the selected model life table and may differ to similar indices published elsewhere.

Table 5: Demographic indicators, 2002-2014

Year	Crude birth rate	Life expectancy at birth with HIV			Infant mortality rate (IMR)	Under 5 mortality	Crude death rate	Rate of natural increase (%)
		Male	Female	Total				
2002	24,4	51,1	55,7	53,4	57,8	85,2	13,9	1,06
2003	24,2	50,5	54,8	52,7	56,2	83,5	14,5	0,97
2004	24,0	50,2	54,1	52,2	54,3	80,9	15,0	0,91
2005	23,8	50,2	53,9	52,1	52,0	77,4	15,2	0,86
2006	23,6	51,0	54,8	53,0	49,4	72,9	14,5	0,90
2007	23,4	52,7	56,6	54,7	45,8	67,4	13,4	1,00
2008	23,2	53,8	58,1	56,0	45,0	64,7	12,6	1,07
2009	23,1	55,1	59,4	57,3	40,9	59,9	11,8	1,13
2010	23,0	56,1	60,3	58,2	38,9	53,8	11,4	1,16
2011	22,8	56,6	60,6	58,7	37,8	50,4	11,3	1,15
2012	22,7	57,3	61,3	59,3	36,8	48,3	11,0	1,17
2013	22,6	58,2	62,1	60,2	35,2	45,6	10,7	1,19
2014	22,4	59,1	63,1	61,2	34,4	44,1	10,2	1,22

Tables 6 shows estimates for selected indicators. The highest numbers of deaths were estimated in 2005, The decline in the percentage of AIDS related deaths from 2005, can be attributed to the increase in the rollout of ART.

Table 6: Births and deaths for the period 2002-2014

Year	Number of births	Total number of deaths	Total number of AIDS related deaths	Percentage AIDS related deaths
2002	1 111 987	631 383	275 444	43,6
2003	1 117 024	667 902	313 477	46,9
2004	1 120 172	697 473	344 141	49,3
2005	1 122 148	716 083	363 910	50,8
2006	1 125 755	694 227	343 194	49,4
2007	1 132 500	647 827	297 659	45,9
2008	1 141 468	617 202	257 504	41,7
2009	1 152 319	590 322	228 051	38,6
2010	1 163 629	578 953	213 864	36,9
2011	1 173 164	580 460	211 839	36,5
2012	1 184 867	575 546	203 293	35,3
2013	1 196 395	565 310	189 376	33,5
2014	1 207 711	551 389	171 733	31,1

HIV prevalence

Table 7 shows the prevalence estimates and the total number of people living with HIV from 2002 to 2014. The total number of persons living with HIV in South Africa increased from an estimated 4,09 million in 2002 to 5,51 million by 2014. For 2014 an estimated 10,2% of the total population is HIV positive. Shisana, et al. (2012) estimated the HIV prevalence for 2012 at 12,2%. Approximately one-fifth of South African women in their reproductive ages are HIV positive.

Table 7: HIV prevalence estimates and the number of people living with HIV, 2002-2014

Year	Prevalence				Incidence Adult 15-49	HIV population (millions)
	Women 15-49	Adult 15-49	Youth 15-24	Total population		
2002	16,7	15,8	14,1	9,0	1,64	4,09
2003	16,9	15,9	13,2	9,1	1,64	4,20
2004	17,0	15,9	12,5	9,2	1,69	4,29
2005	17,1	15,9	11,9	9,3	1,73	4,38
2006	17,3	15,9	11,5	9,4	1,69	4,48
2007	17,5	16,0	11,1	9,5	1,59	4,61
2008	17,7	16,2	10,8	9,7	1,47	4,75
2009	17,9	16,3	10,4	9,8	1,36	4,88
2010	18,0	16,5	10,1	9,9	1,29	5,02
2011	18,2	16,6	9,7	10,0	1,25	5,14
2012	18,3	16,6	9,3	10,1	1,16	5,26
2013	18,4	16,7	9,0	10,1	1,14	5,38
2014	18,5	16,8	8,7	10,2	1,11	5,51

4. National population estimates

Table 8 shows the mid-year estimates by population group and sex. The mid-year population is estimated at 54 million. The Black Africans are in the majority (43,33 million) and constitute approximately 80% of the total South African population. The white population is estimated at 4,55 million, the coloured population at 4,77 million and the Indian/Asian population at 1,34 million. Just over fifty-one per cent (27,64 million) of the population is female.

Table 8: Mid-year estimates by population group and sex, 2014

Population group	Male		Female		Total	
	Number	% of male population	Number	% of female population	Number	% of total population
African	21 168 700	80,3	22 165 000	80,2	43 333 700	80,2
Coloured	2 305 800	8,7	2 465 700	8,9	4 771 500	8,8
Indian/Asian	677 000	2,6	664 900	2,4	1 341 900	2,5
White	2 214 400	8,4	2 340 400	8,5	4 554 800	8,4
Total	26 366 000	100,0	27 635 900	100,0	54 002 000	100,0

Table 9 shows that the implied rate of growth for the South African population has increased between 2002 and 2014. The estimated overall growth rate increased from approximately 1,27% between 2002–2003 to 1,58% for 2013–2014. The growth rate for females is lower than that of males.

Table 9: Estimates annual population growth rates, 2002–2014

Period	Male	Female	Total
2002–2003	1,35	1,19	1,27
2003–2004	1,38	1,21	1,29
2004–2005	1,41	1,24	1,32
2005–2006	1,44	1,26	1,35
2006–2007	1,48	1,28	1,38
2007–2008	1,51	1,31	1,40
2008–2009	1,54	1,33	1,43
2009–2010	1,57	1,35	1,46
2010–2011	1,61	1,38	1,49
2011–2012	1,64	1,40	1,52
2012–2013	1,67	1,43	1,55
2013–2014	1,71	1,45	1,58

Table 10 shows the 2014 mid-year population estimates by age, sex and population group. About 30% of the population is aged 0–14 years and approximately 8,4% is 60 years and older.

Table 10: Mid-year population estimates by population group, age and sex, 2014

Age	African			Coloured			Indian/Asian			White			South Africa		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
0–4	2 496 422	2 440 179	4 936 601	211 513	208 658	420 171	50 261	48 995	99 256	134 024	129 277	263 301	2 892 219	2 827 110	5 719 329
5–9	2 290 846	2 250 677	4 541 523	215 542	213 325	428 867	48 934	48 019	96 953	137 112	132 255	269 367	2 692 433	2 644 277	5 336 710
10–14	2 166 529	2 137 363	4 303 892	223 453	221 530	444 983	47 214	46 648	93 863	143 033	137 955	280 988	2 580 229	2 543 497	5 123 726
15–19	2 190 632	2 167 352	4 357 984	226 492	224 625	451 117	51 007	50 601	101 609	156 034	150 817	306 851	2 624 166	2 593 395	5 217 560
20–24	2 234 451	2 182 655	4 417 106	214 145	213 402	427 547	55 568	54 100	109 668	158 666	154 131	312 797	2 662 829	2 604 288	5 267 117
25–29	2 114 261	2 043 204	4 157 465	191 266	194 032	385 298	61 830	56 874	118 704	147 739	145 325	293 064	2 515 096	2 439 436	4 954 531
30–34	1 648 543	1 664 350	3 312 894	178 589	190 476	369 065	65 617	57 706	123 323	141 478	143 522	285 000	2 034 229	2 056 054	4 090 282
35–39	1 355 227	1 369 089	2 724 316	182 031	196 569	378 601	60 916	53 608	114 524	141 513	144 263	285 777	1 739 688	1 763 529	3 503 217
40–44	1 106 622	1 250 086	2 356 708	172 121	189 331	361 452	52 770	47 836	100 605	150 574	152 483	303 057	1 482 086	1 639 736	3 121 822
45–49	910 496	1 107 017	2 017 512	140 667	158 516	299 183	46 160	44 073	90 233	173 545	172 997	346 543	1 270 867	1 482 603	2 753 470
50–54	761 816	938 597	1 700 413	119 355	137 564	256 919	39 436	39 883	79 319	169 335	171 745	341 080	1 089 941	1 287 789	2 377 731
55–59	620 618	771 769	1 392 387	91 574	109 488	201 062	32 988	35 142	68 130	162 627	170 184	332 811	907 807	1 086 583	1 994 390
60–64	469 915	601 073	1 070 988	63 835	81 844	145 678	26 515	30 373	56 887	143 657	152 968	296 625	703 921	866 257	1 570 178
65–69	342 633	482 917	825 550	34 330	51 443	85 773	16 725	20 036	36 761	99 103	129 279	228 381	492 791	683 675	1 176 466
70–74	223 296	354 715	578 011	21 001	34 223	55 224	10 711	14 010	24 721	72 804	100 503	173 307	327 812	503 451	831 263
75–79	138 700	224 695	363 395	12 363	23 739	36 102	6 218	9 248	15 466	45 342	70 572	115 914	202 623	328 254	530 877
80+	97 720	179 244	276 964	7 547	16 960	24 506	4 145	7 710	11 855	37 859	82 098	119 957	147 270	286 011	433 281
Total	21 168 728	22 164 981	43 333 709	2 305 823	2 465 725	4 771 548	677 014	664 863	1 341 877	2 214 444	2 340 375	4 554 820	26 366 008	27 635 944	54 001 953

5. Provincial population estimates

When provincial population estimates are desired and the appropriate data are available a multi-regional approach should be considered as this is the only way to guarantee that the total migration flows between regions will sum to zero (United Nations, 1992). The methods developed for this purpose by Willekens and Rogers (1978) have not been widely used in developing countries, partly due to the lack of adequate migration data and the difficulty of applying these methods.

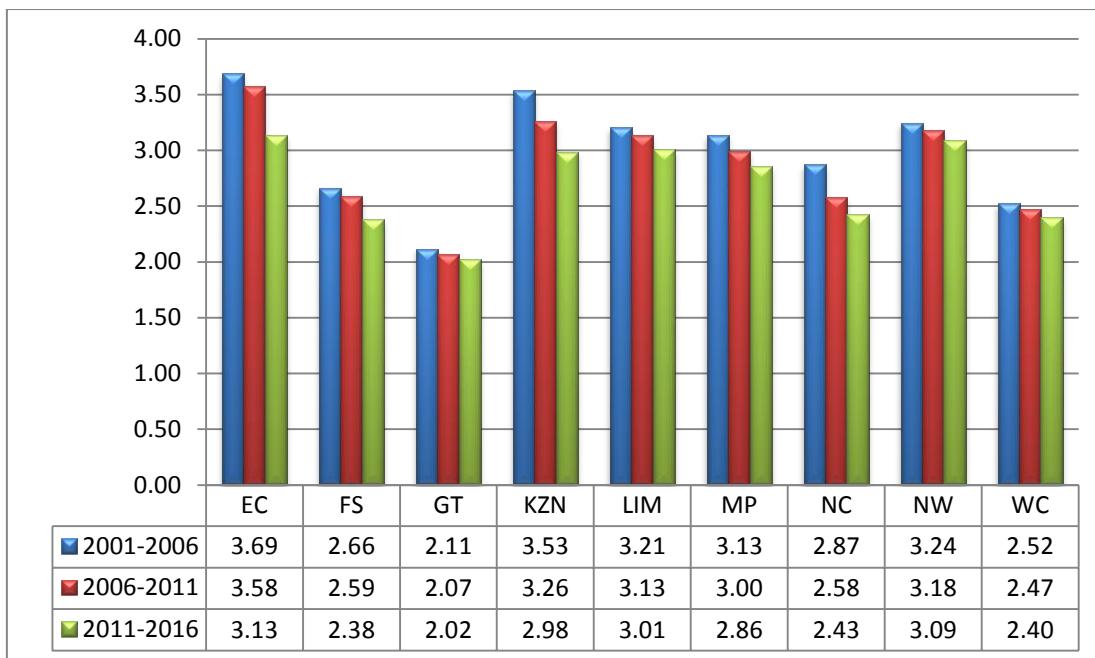
Multi-regional methods require the estimation of separate age-specific migration rates between every region of the country and every other region and such detailed data are rarely available. Although it is possible to estimate some of the missing data (see Willekens et al., 1979) the task of preparing data can become overwhelming if there are many regions. If there are only a few streams however the multi-regional method is the best method to use. In South Africa 2448 (9x8x17x2) migration streams are derived if the multi-regional model is applied in calculating migration streams by age group (17 in total) and sex for each of the nine provinces.

The cohort-component approach suggested by the United Nations (United Nations, 1992) was used to undertake the provincial projections for this report. The programming was done through JMP script language (JSL). JMP was developed by the SAS Institute Inc. version 10.01 was used to develop the projection for the 2014 provincial mid-year estimates and used the matrix algebra approach. A detailed description of the methodology that Stats SA used for the provincial projections is available at: www.statssa.gov.za

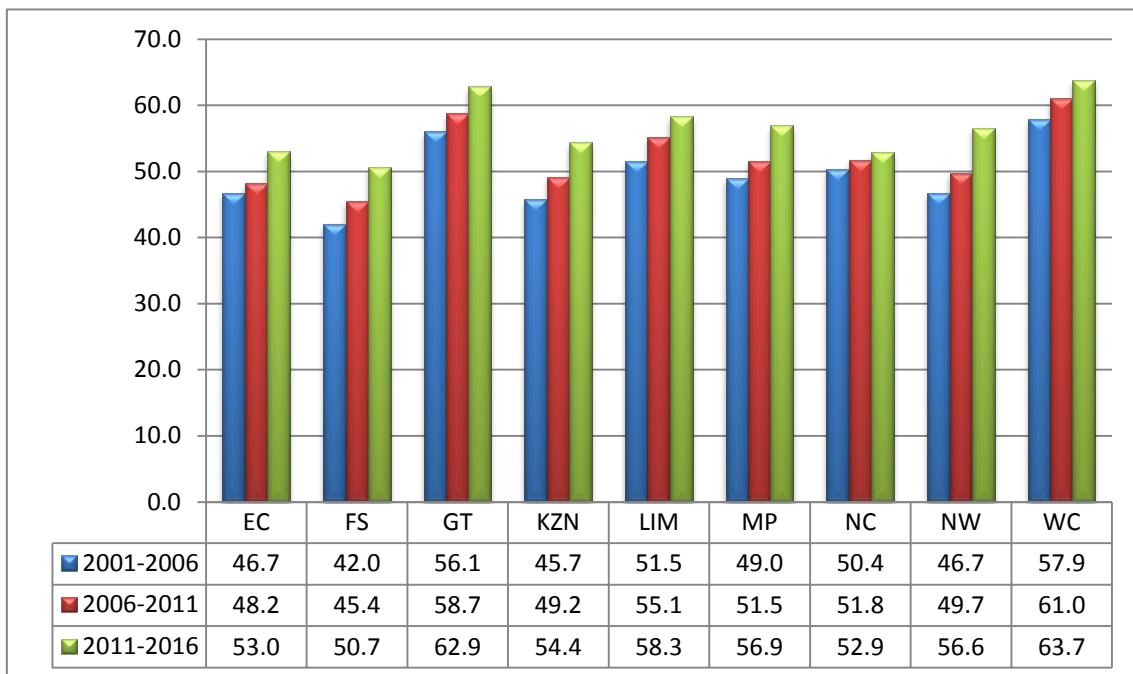
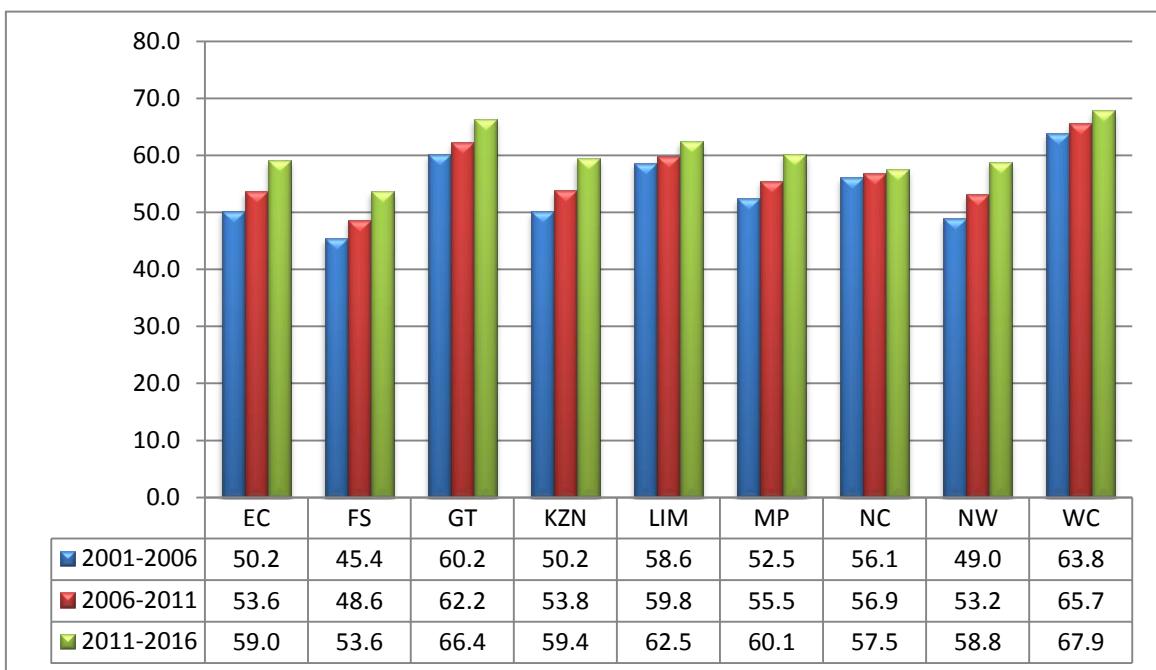
5.1 Demographic assumptions

Figure 1 shows the provincial fertility estimates for the periods 2001–2006, 2006–2011 and 2011–2016. For all the provinces it was assumed that the total fertility rates will decline.

Figure 1: Provincial average total fertility rates for the periods 2001-2006, 2006-2011 and 2011-2016



Figures 2 and 3 show the average provincial life expectancies at birth for males and females for the periods 2001–2006, 2006–2011 and 2011–2016. The assumptions for this projection were that Western Cape has the highest life expectancy at birth for both males and females; while the Free State has the lowest life expectancy at birth.

Figure 2: Provincial average life expectancy at birth, 2001-2006, 2006-2011 and 2011-2016 (males)**Figure 3: Provincial average life expectancy at birth, 2001-2006, 2006-2011 and 2011-2016 (females)**

5.2 Provincial distributions

Table 11 shows the estimated percentage of the total population residing in each of the provinces from 2002 to 2014. The provincial estimates show that Gauteng has the largest share of the population followed by KwaZulu-Natal and Eastern Cape. By 2014, approximately 11,3% of South Africa's population lives in Western Cape. Northern Cape has the smallest population. Free State has the second smallest share of the South African population, constituting just over 5% of the population.

Table 11: Percentage distribution of the projected provincial share of the total population, 2002-2014

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Eastern Cape	13,2	13,1	13,0	13,0	12,9	12,9	12,8	12,8	12,7	12,7	12,6	12,6	12,6
Free State	5,9	5,8	5,7	5,7	5,6	5,5	5,5	5,4	5,4	5,3	5,3	5,2	5,2
Gauteng	22,8	23,0	23,1	23,2	23,3	23,4	23,5	23,5	23,6	23,7	23,8	23,9	23,9
KwaZulu-Natal	20,0	20,0	19,9	19,9	19,9	19,9	19,9	19,9	19,8	19,8	19,8	19,8	19,8
Limpopo	10,5	10,5	10,5	10,5	10,5	10,5	10,5	10,5	10,4	10,4	10,4	10,4	10,4
Mpumalanga	7,7	7,7	7,7	7,7	7,8	7,8	7,8	7,8	7,8	7,8	7,8	7,8	7,8
Northern Cape	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,2	2,2	2,2	2,2	2,2
North West	6,8	6,8	6,8	6,8	6,8	6,8	6,8	6,8	6,8	6,8	6,8	6,8	6,8
Western Cape	10,8	10,9	10,9	11,0	11,0	11,1	11,1	11,2	11,2	11,2	11,3	11,3	11,3
Total	100,0												

5.3 Migration patterns

From Censuses 2001 and 2011 as well as the Community Survey that Stats SA undertook in 2007, it was possible to determine out-migration rates for each province. Applying these rates to the age-structures of the province, it was possible to establish migration streams between the provinces. The result of these analyses is shown in Tables 12 and 13 below. Although the assumptions imply that Gauteng and Western Cape received the highest number of migrants, Mpumalanga and North West provinces also received positive net migration. The Eastern Cape, Free State and Limpopo experienced the largest outflow.

5.4 Provincial estimates by age and sex

Table 15 shows the detailed provincial population estimates by age and sex. Where necessary the totals by age were reconciled with the national totals for males and females separately.

About 30,0% of the population is aged younger than 15 years and approximately 8,4% (4,54 million) is 60 years or older. Of those younger than 15 years, approximately 22,7% (3,66 million) live in KwaZulu-Natal and 18,8% (3,05 million) live in Gauteng. The province with the smallest population namely Northern Cape has 28% of its population aged younger than 15 years, and nearly one tenth of the population aged 60 and older.

Table 12: Estimated provincial migration streams, 2001-2006

	EC	FS	GP	KZN	LIM	MP	NC	NW	WC	Out-migrants	In-migrants	Net Migration
EC	-	8 943	66 767	42 029	6 476	8 068	3 658	17 919	75 579	229 440	153 145	-76 294
FS	6 678	-	60 653	6 899	5 397	8 890	6 069	19 513	9 717	123 816	114 177	-9 639
GP	49 476	39 950	-	67 330	85 108	78 975	12 643	100 051	90 695	524 228	1 019 034	494 806
KZN	16 527	8 616	133 373	-	6 233	23 027	2 024	8 162	19 316	217 277	210 398	-6 880
LIM	3 471	4 700	202 093	5 994	-	29 456	1 843	21 296	8 327	277 179	215 879	-61 300
MP	4 291	5 046	101 842	12 237	23 634	-	1 935	11 974	7 817	168 776	206 040	37 264
NC	3 775	7 503	16 402	4 975	2 132	3 783	-	11 056	16 128	65 753	63 440	-2 313
NW	4 202	10 543	96 161	4 955	16 171	9 657	17 996	-	7 374	167 058	231 382	64 324
WC	50 568	6 388	61 102	12 745	5 655	6 573	12 498	6 975	-	162 502	314 441	151 939
Outside SA	14 158	22 489	280 642	53 234	65 073	37 612	4 776	34 435	79 489			

Table 13: Estimated provincial migration streams, 2006-2011

	EC	FS	GP	KZN	LIM	MP	NC	NW	WC	Out-migrants	In-migrants	Net Migration
EC	-	9 388	70 057	44 114	6 813	8 484	3 852	18 799	79 244	240 751	164 859	-75 892
FS	6 975	-	63 381	7 214	5 650	9 299	6 351	20 399	10 162	129 430	121 612	-7 819
GP	54 162	43 799	-	73 824	93 292	86 648	13 862	109 735	99 495	574 816	1 067 668	492 852
KZN	17 415	9 072	140 631	-	6 593	24 297	2 139	8 620	20 410	229 177	222 622	-6 555
LIM	3 716	5 017	215 258	6 413	-	31 467	1 975	22 737	8 895	295 479	228 801	-66 678
MP	4 635	5 444	109 730	13 190	25 469	-	2 091	12 916	8 433	181 907	219 475	37 569
NC	4 051	8 075	17 638	5 329	2 296	4 060	-	11 868	17 371	70 688	68 098	-2 590
NW	4 527	11 337	103 402	5 336	17 422	10 405	19 373	-	7 945	179 748	247 157	67 409
WC	55 220	6 991	66 929	13 969	6 193	7 204	13 679	7 647	-	177 833	331 444	153 611
Outside SA	14 158	22 489	280 642	53 234	65 073	37 612	4 776	34 435	79 489			

Table 14: Estimates provincial migration streams, 2011-2016

	EC	FS	GP	KZN	LIM	MP	NC	NW	WC	Out-migrants	In-migrants	Net migration
EC	-	9 421	70 302	44 387	6 850	8 531	3 883	18 813	79 570	241 758	176 821	-64 937
FS	7 237	-	65 762	7 489	5 870	9 657	6 599	21 177	10 557	134 348	128 703	-5 646
GP	58 818	47 585	-	80 226	101 365	94 184	15 065	119 261	108 139	624 643	1 106 375	481 732
KZN	18 199	9 479	147 160	-	6 922	25 435	2 242	9 033	21 413	239 883	232 872	-7 012
LIM	3 820	5 149	220 752	6 587	-	32 301	2 031	23 335	9 126	303 101	241 469	-61 632
MP	4 944	5 797	116 722	14 034	27 100	-	2 230	13 757	8 978	193 562	231 381	37 818
NC	4 398	8 779	19 165	5 782	2 499	4 409	-	12 894	18 883	76 809	72 917	-3 892
NW	4 947	12 351	112 568	5 822	19 007	11 355	21 113	-	8 675	195 837	261 090	65 254
WC	60 301	7 652	73 302	15 310	6 784	7 897	14 977	8 385	-	194 609	344 830	150 221
Outside SA	14 158	22 489	280 642	53 234	65 073	37 612	4 776	34 435	79 489			

Table 15: Provincial population estimates by age and sex, 2014

Age	Eastern Cape			Free State			Gauteng			KwaZulu-Natal			Limpopo		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
0–4	432 158	421 385	853 543	136 944	134 287	271 231	537 589	526 529	1 064 119	648 245	633 168	1 281 412	343 943	336 040	679 982
5–9	409 658	401 008	810 667	129 303	128 480	257 782	497 965	489 730	987 695	624 664	612 272	1 236 936	302 541	296 251	598 792
10–14	359 384	352 774	712 157	133 820	133 125	266 945	502 846	493 489	996 335	576 539	570 026	1 146 565	292 885	290 970	583 855
15–19	358 060	352 832	710 892	144 098	142 379	286 477	527 107	517 746	1 044 853	554 308	554 882	1 109 190	315 349	315 383	630 731
20–24	374 437	370 619	745 055	143 759	139 660	283 419	564 731	547 300	1 112 031	548 596	547 690	1 096 286	309 034	307 582	616 615
25–29	318 427	319 383	637 811	135 641	129 293	264 934	605 582	582 249	1 187 831	483 885	486 048	969 933	264 946	263 728	528 675
30–34	215 090	230 462	445 552	105 271	104 915	210 186	564 545	552 906	1 117 451	362 470	391 280	753 750	195 662	207 980	403 642
35–39	149 510	168 580	318 091	84 714	88 442	173 156	565 351	522 989	1 088 340	282 007	313 876	595 883	144 500	169 732	314 231
40–44	117 201	157 783	274 984	71 694	84 263	155 957	510 340	483 565	993 905	225 032	284 989	510 020	108 106	150 298	258 404
45–49	102 522	154 808	257 330	64 481	78 937	143 418	429 373	416 277	845 650	185 116	260 014	445 130	88 610	133 734	222 344
50–54	91 884	147 569	239 453	56 343	67 938	124 280	361 706	351 423	713 129	162 274	233 584	395 858	73 872	117 180	191 052
55–59	82 213	134 403	216 616	48 397	58 433	106 830	296 839	292 368	589 207	137 314	195 736	333 050	61 576	99 094	160 670
60–64	66 057	107 500	173 557	38 090	48 633	86 724	222 140	223 319	445 458	113 508	161 941	275 449	50 762	83 659	134 420
65–69	47 785	86 790	134 576	26 259	38 279	64 537	150 680	169 060	319 740	83 098	134 681	217 779	36 324	65 198	101 521
70–74	36 575	72 436	109 012	17 640	27 349	44 989	93 970	116 985	210 955	54 084	96 270	150 354	24 839	50 341	75 180
75–79	28 474	59 226	87 700	10 316	16 572	26 887	50 191	60 559	110 751	35 281	64 318	99 599	18 163	43 320	61 483
80+	19 180	40 704	59 885	6 307	12 696	19 004	34 229	53 138	87 367	25 587	51 652	77 239	18 003	50 862	68 866
Total	3 208 616	3 578 264	6 786 880	1 353 078	1 433 679	2 786 757	6 515 185	6 399 632	12 914 817	5 102 007	5 592 428	10 694 434	2 649 113	2 981 351	5 630 464

Table 15: Provincial mid-year population estimates by age and sex, 2014 (concluded)

Age	Mpumalanga			Northern Cape			North West			Western Cape			All provinces		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
0–4	245 729	241 256	486 985	54 071	53 000	107 071	206 210	201 792	408 001	287 330	279 654	566 984	2 892 219	2 827 110	5 719 329
5–9	220 345	216 344	436 690	52 486	51 838	104 324	186 984	184 389	371 373	268 488	263 965	532 453	2 692 433	2 644 277	5 336 710
10–14	217 024	215 075	432 100	57 587	56 649	114 237	177 424	173 943	351 368	262 719	257 445	520 164	2 580 229	2 543 497	5 123 726
15–19	223 799	222 543	446 342	61 466	59 110	120 576	175 883	169 733	345 616	264 095	258 788	522 883	2 624 166	2 593 395	5 217 560
20–24	219 397	210 805	430 201	58 796	54 492	113 289	178 452	166 890	345 343	265 627	259 250	524 878	2 662 829	2 604 288	5 267 117
25–29	208 259	192 492	400 751	55 580	49 730	105 310	174 382	155 877	330 260	268 392	260 634	529 026	2 515 096	2 439 436	4 954 531
30–34	163 947	157 424	321 371	44 676	40 822	85 498	145 092	128 405	273 497	237 476	241 859	479 335	2 034 229	2 056 054	4 090 282
35–39	129 700	132 018	261 718	36 830	35 125	71 956	126 046	110 823	236 868	221 030	221 944	442 975	1 739 688	1 763 529	3 503 217
40–44	103 881	121 659	225 540	32 344	34 501	66 845	107 894	104 129	212 024	205 595	218 548	424 143	1 482 086	1 639 736	3 121 822
45–49	87 738	107 667	195 405	29 207	32 796	62 004	98 016	93 837	191 853	185 804	204 533	390 338	1 270 867	1 482 603	2 753 470
50–54	74 364	88 387	162 750	25 182	28 559	53 741	88 033	79 934	167 967	156 285	173 216	329 501	1 089 941	1 287 789	2 377 731
55–59	60 564	70 535	131 099	22 219	25 440	47 659	72 956	67 488	140 444	125 729	143 086	268 815	907 807	1 086 583	1 994 390
60–64	47 164	56 743	103 907	17 680	21 185	38 865	51 704	53 140	104 844	96 816	110 137	206 953	703 921	866 257	1 570 178
65–69	31 224	41 812	73 036	12 436	17 161	29 597	35 311	42 301	77 612	69 674	88 394	158 068	492 791	683 675	1 176 466
70–74	20 449	30 868	51 317	8 704	13 140	21 844	24 315	33 632	57 946	47 236	62 430	109 666	327 812	503 451	831 263
75–79	12 837	22 801	35 638	5 167	7 507	12 674	12 980	19 363	32 343	29 215	34 588	63 803	202 623	328 254	530 877
80+	11 551	22 922	34 473	3 678	7 513	11 192	9 230	19 686	28 916	19 504	26 836	46 340	147 270	286 011	433 281
Total	2 077 973	2 151 350	4 229 323	578 111	588 570	1 166 680	1 870 911	1 805 363	3 676 274	3 011 016	3 105 308	6 116 324	26 366 008	27 635 944	54 001 953

References

- National Department of Health (2012). The 2012 National Antenatal Sentinel HIV and Herpes Simplex type 2 prevalence survey, South Africa.
- Shisana, O., Rehle, T., Simbayi, L.C., Zuma, K., Jooste, S., Jungi, N., Labadarios, D., Onoya, D. et al. 2014. South African National HIV Prevalence, Incidence and Behaviour Survey 2012. Cape Town. HSRC Press.
- Stover, J. & Kirmeyer, S. March 2009. Demproj Version 4. A computer program for making population projections (The Spectrum system of policy models).
- UNAIDS. 2013. Spectrum Version 4.54. United Nations, Geneva, Switzerland.
- United Nations. 1992. *Preparing Migration Data for Subnational Population Projections*. Department of International and Economic and Social Affairs. United Nations, New York.
- USAID Health Policy Initiative. March 2009. AIM: A Computer Program for Making HIV/AIDS Projections and Examining the Demographic and Social Impacts of AIDS.
- Willekens, F. & Rogers, A. 1978. *Spatial Population Analysis: Methods and Computer Programs*. International Institute for Applied System Analysis. Research Report RR 78-18. Laxenberg, Austria.
- Willekens, F., Por, A. & Raquillet, R. 1978. *Entropy multiproportional and quadratic techniques for inferring detailed migration patterns from aggregate data*. International Institute for Applied System Analysis. Working Paper WP-79-88. Laxenberg, Austria.

General information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English only.

Stats SA has copyright on this publication. Users may apply the information as they wish, provided that they acknowledge Stats SA as the source of the basic data wherever they process, apply, utilise, publish or distribute the data; and also that they specify that the relevant application and analysis (where applicable) result from their own processing of the data.

Advance release calendar

An advance release calendar is disseminated on www.statssa.gov.za

Stats SA products

A complete set of Stats SA publications is available at the Stats SA Library and the following libraries:

National Library of South Africa, Pretoria Division
 National Library of South Africa, Cape Town Division
 Natal Society Library, Pietermaritzburg
 Library of Parliament, Cape Town
 Bloemfontein Public Library
 Johannesburg Public Library
 Eastern Cape Library Services, King William's Town
 Central Regional Library, Polokwane
 Central Reference Library, Nelspruit
 Central Reference Collection, Kimberley
 Central Reference Library, Mmabatho

Stats SA also provides a subscription service.

Electronic services

A large range of data are available via on-line services and CD. For more details about our electronic data services, contact (012) 310 8600/8390/8351/4892/8496/8095.

Forthcoming issue	Issue	Expected release date
Mid-year population estimate	N/A	July 2015

You can visit us on the internet at: www.statssa.gov.za

Enquiries

Telephone number: (012) 310 8600/8390/8351/4892/8496/8095 (user information services)
 (012) 310 8922/2152 (technical enquiries)
 (012) 310 8161 (orders)
 (012) 310 8490 (library)

Fax number: (086) 670 9723 (technical enquiries)

Email address: diegoi@statssa.gov.za (technical)
louisvt@statssa.gov.za (technical)
Info@statssa.gov.za (user information services)
distribution@statssa.gov.za (orders)

Postal address: Private Bag X44, Pretoria, 0001